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-- file ComData.Mesa
-- last modified by Satterthwaite, March 16, 1978 10:44 AM

DIRECTORY
  StreamDefs: FROM "streamdefs",
  BcdDefs: FROM "bcddefs",
  SymbolTableDefs: FROM "symboltabledefs",
  SymDefs: FROM "symdefs",
  TreeDefs: FROM "treedefs";

ComData: PROGRAM =
PUBLIC
BEGIN
OPEN SymDefs;

-- shared instance of SymbolTable
  ownSymbols: SymbolTableDefs.SymbolTableBase;

-- basic types (initialized in Pass1)
  typeINTEGER, typeBOOLEAN, typeCHARACTER, typeREAL, typeSTRING: CSEIndex;
  typeLOCK, typeCONDITION: CSEIndex;

  idANY: ISEIndex;
  idINTEGER, idCARDINAL, idCHARACTER, idBOOLEAN, idREAL, idSTRING: ISEIndex;
  idLOCK: ISEIndex;

-- anonymous entry for undeclared ids
  seAnon: ISEIndex;

-- symbolic constants
  idTRUE, idFALSE: ISEIndex;
  tC0, tC1: TreeDefs.TreeLink;
  idUNWIND: ISEIndex;

-- global info describing module
  definitionsOnly: BOOLEAN;
  monitored: BOOLEAN;
  stopping: BOOLEAN;
  outerCtx: CTXIndex;           -- predefined identifiers
  moduleCtx: CTXIndex;         -- module identifiers
  importCtx: CTXIndex;          -- import id context
  mainCtx: CTXIndex;            -- main program's context
  bodyRoot: BTIndex;
  mainBody: CBTIndex;
  nBodies: CARDINAL;
  nSigCodes: CARDINAL;
  defBodyLimit: INTEGER;
  linkBase: CARDINAL;          -- global control links (externals, etc)
  linkCount: CARDINAL;

-- compilation options
  warnings: BOOLEAN;
  xref: BOOLEAN;
  sort: BOOLEAN;
  dStar: BOOLEAN;

-- variables used for error reporting
  nErrors: CARDINAL;
  nWarnings: CARDINAL;
  bodyIndex: CBTIndex;          -- current body
  textIndex: CARDINAL;          -- start index of line with error

-- input
  sourceFile: STRING;
  sourceStream: StreamDefs.StreamHandle;
  rootFile: STRING ← [40];

-- output

  compilerVersion: BcdDefs.VersionStamp;

  netNumber: CARDINAL;
  sourceVersion, objectVersion: BcdDefs.VersionStamp;

  objectStream: StreamDefs.StreamHandle;
  errorStream: StreamDefs.StreamHandle;
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objectBytes, objectFrameSize: CARDINAL;
fgTable: DESCRIPTOR FOR ARRAY OF FGTEntry;
codeSeg, symSeg: BcdDefs.SGRecord;
mtRoot: BcdDefs.MTRecord;
MTRootSize: CARDINAL = SIZE[BcdDefs.MTRecord]-SIZE[BcdDefs.FrameFrag];
fixupLoc: StreamDefs.StreamIndex;
END.
```